Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Number

Attorney Docket Number 249/415

Substitute for form 1449/PTO

Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 1

Filing Date October 21, 2003 First Named Inventor Hyung-taek LIM et al Art Unit 2861 **Examiner Name** AN H. DO

Complete if Known

10/688,952

U. S. PATENT DOCUMENTS Examiner Cite No. Document Number Publication Date Name of Patentee or Pages, Columns, Lines, Where Initials\* MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code<sup>2 (# known)</sup> Figures Appear US- 5,841,452 11-24-1998 SILVERBROOK US- 2002/0008733 A1 01-24-2002 LEE, et al. US- 2002/0039123 A1 04-04-2002 LEE, et al. US-US. US-US. US-US-US-US 115 US-US-US-US IIS. US-

		FORE	IGN PATENT DOCL	JMENTS TO THE STATE OF THE STAT	<del></del>	
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (If known)	MM-DD-YYYY		Or Relevant Figures Appear	14
Do		EP 1 174 268 A1	01-23-2002	LEE, et al.		
M		EP 1 215 048 A2/A3	06-19-2002	MAENG, et al.		
M		EP 1 221 374 A2/A3	07-10-2002	LEE, et al.		
		İ				

Fire land				
Examiner	1 1 1		Date	, ,
Signature	I ≪ I V			
Signature	1 XH A	17	Considered	
				1 7 3/04
-PVATIMER S				

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not the conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

FEB 2 1 2004 2

PTO/SB/08A (04-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Inder the Paper Visit Favorial Contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 1

Cor	mplete if Known	7
Application Number	10/688,952	_
Filing Date	October 21, 2003	-
First Named Inventor	Hyung-Take LIM et al	_
Art Unit	2861	
Examiner Name	ANH DO	
Attorney Docket Number	2/0//15	_

U. S. PATENT DOCUMENTS Examiner Name of Patentee or Pages, Columns, Lines, Where Document Number Publication Date MM-DD-YYYY Relevant Passages or Relevant Applicant of Cited Document Figures Appear Number-Kind Code<sup>2</sup> (# taxwee) US- 4.882,595 11-21-1989 TRUEBA, et al. AO US-US. 115 US-US-US-US-US-US-US-US-US-บระ US-ŪS-US-ÚS-US-

		FORE	GN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
	<u> </u>					
						<u> </u>
	L					<u> </u>
						ļ
	l					<u></u>
					<u></u>	<u> </u>

Examiner			Date	-1. 1
Signature	1 XL, V		Considered	1195104
. •		~ <i>1</i>		/// //

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not if conformance and not considered, thouse copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Trainstation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

			<del></del>		<del></del>	<del></del>	
Sheet_L of							<del></del>
FORM PTO:1449 (modified)				ATTY DOCKET NO. 249/415  SERIAL NO. 10/688, 952			
J.S. DEPARTMENT	OF COM	MERCE		APPLICANT Hyung-taek UM et al.		,	
				FILING DATE Concurrently		GROUP Unnecigned	2 <i>85</i> 3
				U.S. PATENT DOCUMENTS			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME .	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
So		20020008738	1/24/02	LEE et al.	84710Z 347	62	5
·							-/
<del></del>				:	•		
							(
							)
		:					
	1	<u> </u>	<u></u>	FOREIGN PATENT DOCUMENTS	<del></del>		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
						-	
		0	THER DOCUME	ENT(S) (including Author, Title, Date, I	Pertinent Pages, Etc.	)	
			ļ				
<del></del>	ļ	ļ			·		
	1	1 /	1			,	
•	1	<b> </b>	<del> </del>	-			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.